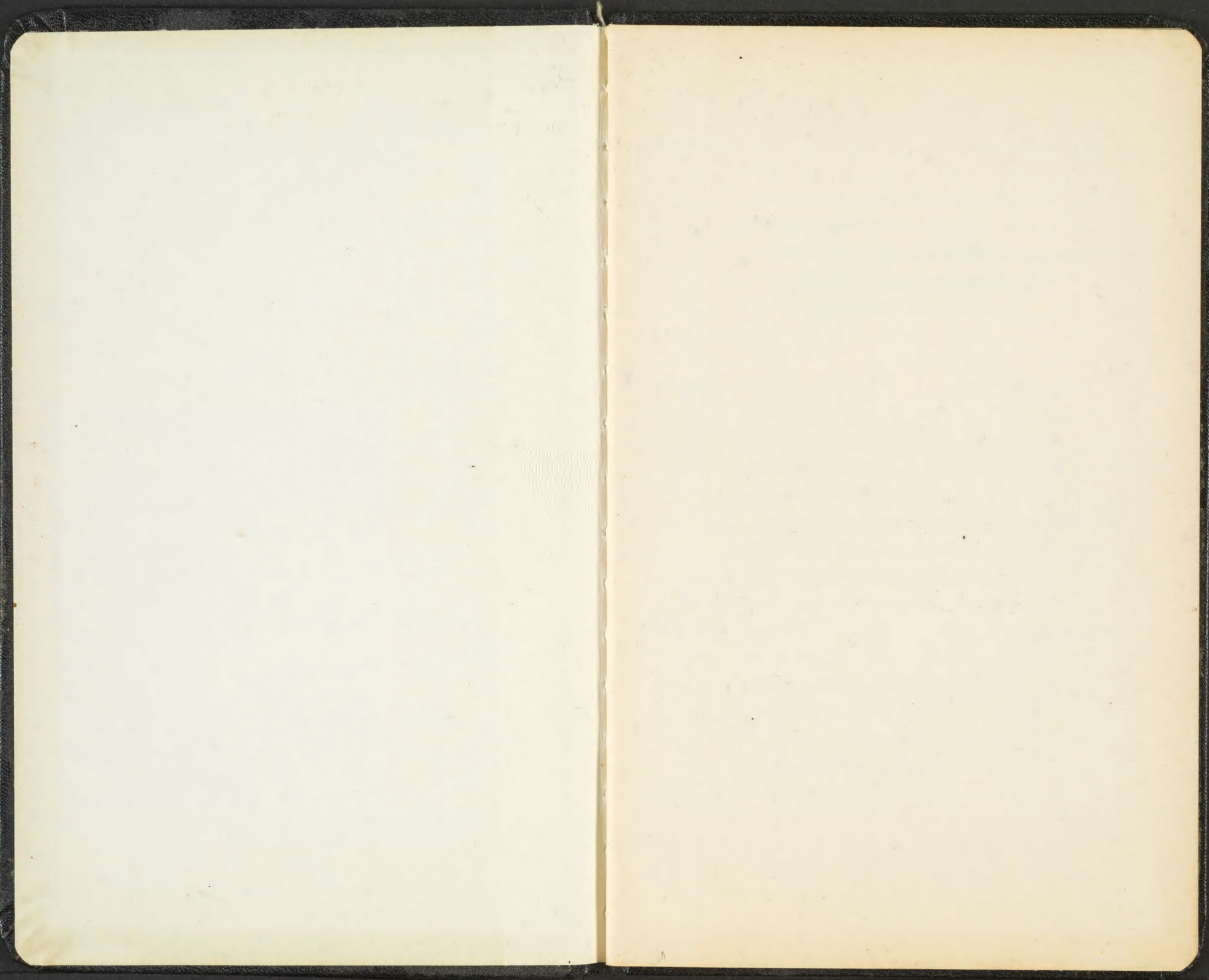


7530-274-5494
FEDERAL SUPPLY SERVICE



800413.1 TAIWAN

RH1383

13 APR 1980

SOUTH OF TAN-SHUI, NORTH OF TAIPEI

25°09.0'N, 121°27'E

1 M, GRAY SANDY MUD, PROBABLY POLLUTED, NEAR MANGROVE AREA
AND SUBJECT TO LOW SALINITIES

3 SPMS ECHINODERMES

800415.1 TAIWAN

RH1384

15 APR 80

NEAR CHIU-CHIANS

24°50.0'N, 120°59.0'E

1 M, BROWN SANDY MUD, PROBABLY LOW SALINITY AREA
BEHIND DAM FORMED IN BAY BY SAND BAR. AMPHIPODS
AND SOME POLYCHAETES, NEMATODES

Seen to Koonchun ✓

800416.1 TAIWAN

RH1385

16 APR 80

KEELUNG HARBOR (CHU-LUNG)

MUDDY SAND 6 M

25°09.5'N, 121°45.0'E

~~*Seen to Koonchun*~~

Discarded

800420.1 HONG KONG RH1386

20 APRIL 1980

KAU SAI WAN, PORT SHELTER

22° 20.8' N 114° 19.0' E

16 M MUD

Echinoderes, Pycnophyes, Kinorhynchus

800420.2 HONG KONG RH1387

20 APRIL 1980

500 M NW YEUNG CHAU (ISL), INNER PORT SHELTER

22° 23.2' N 114° 17.1' E

5 M MUD

800421.1 HONG KONG RH1388

21 APR. 1980

WU KAI SHA TSUI

22° 26.5' N 114° 14.5' E

INTERSTITIAL ULVA WASHINGS

Amphipods and some polychaetes only

✓ Given to
Dr. Koenig

800423.1 HONG KONG RH1389

22 APRIL 1980

DOUBLE HAVEN, W OF DOUBLE ISLAND

22° 31.5' N 114° 18.0' E

12 M MUD

Pycnophyes, Kinorhynchus, Echinoderes

800423.2 HONG KONG RH1390

22 APRIL 1980

PUI TONG (IN BAY FORMED BY CROOKED ISLAND)

22° 32.7' N 114° 17.8' E

9 M MUD

Pycnophyes, Kinorhynchus, Echinoderes

800423.3 HONG KONG RH1391

22 APRIL 1980

E OF PUI TONG AREA OF CROOKED ISLAND

22° 33.0' N 114° 18.5' E

10 M SANDY MUD

Pycnophyes, Kinorhynchus, Echinoderes w ostracods,
Tanaids, amphipods etc.

800423.4 HONG KONG RH1392

22 APRIL 1980

GOVERNOR'S BEACH, NW SHORE OF DOUBLE ISLAND

22° 31.3' N 114° 18.8' E

INTERSTITIAL SAMPLE, NEAR HIGH TIDE, MED SAND
SLIGHT SLOPE

800424.1 HONG KONG

RH 1393

24 APRIL 1980

TOLO CHANNEL OFF TUNG-TAO CHAO

22° 27.5' N 114° 16.6' E

12 M MUD

Nemalodes, turbellarians, copepods

800424.2 HONG KONG

RH 1394

24 APRIL 1980

ENTRANCE TO THREE FATHOMS COVE OFF TOLO CHANNEL

22° 26.5' N 114° 16.2' E

9 M MUD

Nemalodes, turbellarians, copepods

800427.1 HONG KONG

RH 1395

27 APRIL 1980

BAY 2 KM W OF WONG MAU CHAU

22° 26.7' N 114° 22.4' E

11 M SANDY MUD

Amphipods, tanaids, 3-4 copepod spp. some nemalodes

2 spp. Echinoderms, 2 spp. (?) Pyrosomorphs - both abundant

but E 10:1 over P. Many ostracods, several spp. 3-4

spp. myxocarpal ostracods. Echinoderm 2 common

Gastropods given to Kornelius +
amphipods

800427.2 HONG KONG

RH 1396

27 APRIL 1980

LONG HARBOR

22° 27.4' N 114° 20.6' E

9 M MUD

poor material, few Pyrosomorphs, very few tunicates, some Echinoderms
but looks different than in 27.1. Only one sp. (?) ostracod. looks like stained
material, than ostracods + tunicates - many oysters.

800427.3 HONG KONG

RH 1397

27 APRIL 1980

HAI HA WAN (W OF LONG HARBOR, OFF TOLO CHANNEL)

22° 28.4' N 114° 19.8' E

9 M MUD

Echinoderms (w/long spines) some Pyrosomorphs, some tanaids, ostracods
or a few copepods. No a real good community.

800427.4 HONG KONG

RH 1398

27 APRIL 1980

WONG CHUK KOK HAI (W OF BLUFF HEAD)

22° 30.8' N 114° 19.3' E

11 M MUD

Some Pyrosomorphs and Echinoderms, poor shape; many ostracods, one polychaete
1 copepod; several tanaids - poor community. looks like mangrove g. from young oysters

800427.5 HONG KONG 27 APRIL 1980

RH 1399

SMALL COVE OFF TOLO CHANNEL (NEAR LAI CHI CHONG)

22° 27.7' N 114° 17.7' E

7 M MUD

Pyrosomorphs + Echinoderms (made Echinoderms) few ostracods,
few tanaids, few copepods - poor material few young oysters

800429.1⁽⁶⁾ HONG KONG

29 APRIL 1980

CLEVER WATER BAY

22° 17.5' N 114° 17.6' E

4 M SAND MUD

Canthigaster, *Pteropoda*, many short spined *Echinoderms*
abundant long spined (but small) *E. sp.* 70 m wide, very large
Caprellids, *Alpheids* - abundant

RH 1400

^(med)
one med sorted w/ one *Canthigaster* (yellow)
on mat embedded (white)

800430.1⁽⁷⁾ HONG KONG

30 APRIL 1980

BEACH AT STANLEY BAY, HONG KONG ISLAND

22° 13.0' N 114° 12.8' E

INTERSTITIAL SAND NEAR HIGH TIDE MARK

RED-CORAL SAND

Discarded

RH 1401

800501.1⁽⁸⁾ HONG KONG

1 MAY 1980

OFF PIER E OF PING CHAU IS.

22° 33.0' N 114° 26.0' E

6 M MUDDY SAND

Mostly short spined *Echinoderms*, few *Pteropoda*, *Canthigaster*
many crustaceans, few 1° juveniles!

RH 1402

800501.2⁽¹⁾ HONG KONG

1 MAY 1980

IN ALGAE IN TIDE POOLS W COAST OF PING CHAU IS.

22° 32.5' N 114° 25.5' E

IN ALGAE

Echinoderms sp.

RH 1403

800503.1 HONG KONG

3 MAY 1980

IN EELGRASS (*ZOSTERA*) - CROOKED HARBOR NEAR
LAI CHI WO

22° 32.0' N 114° 15.7' E

MUDDY SAND IN EELGRASS BEDS

Echinoderms (only) [Col. Brian Morton]

RH 1404

Ft. Pierce: Acc. 348815
 4 Feb 1965

850204.1

RH 1964

Locality: 6 miles offshore
Time in: 9:21 - 9:27 ; 9:30 - 9:36
Depth in: 57 ft
Loran C in: 43307.6 62004.9
Loran C out: 43307.3 62004.3
Sediment Type: ^{Coarse} sand, shell hash, some silt
Bucket no: 1

~~Time in: 9:47 9:52~~
~~Depth in: 63 ft~~
~~Loran C in: 43305.2 61997.9~~
~~Loran C out: 43309.4 61997.4~~
~~Sediment Type~~
Bucket no: 2

850204.2 RH 1965
Time in: 9:54 Time Out: 10:04
Depth in: 63 ft Depth Out: 63 ft
Loran C in: 43303.6 61997.4
Loran C out: 43303.3 61997.9
Sediment type: shell hash, less silt, coarse sand
Bucket no: 2

850204.3

RH 1966

Time in: 10:10 Time out: 10:17
Depth in: 60 ft. Depth out: 60
Loran C in: 43294.6 61998.0
Loran C out: 43290.5 61998.3
Sediment type: ^{Coarse} sand, shell hash, very little silt
Bucket No. 3

850204.3

~~RH 1966~~

Time in: 10:24 Time Out: 10:30
Depth in: 61 ft Depth out: 60 ft
Loran C in: 43295.0 61998.1
Loran C out: 43296.3 61998.3
Sediment Type: ^{Coarse} sand, shell hash, trace silt
Bucket No. 3

850204.4

RH 1967

Time In: 10:41 Time Out: 10:48
Depth In: 59 ft. Depth Out: 55 ft
Loran C in: 43297.4 Loran C out: 43205.4
Loran C out: 43295.3 62005.2
Sediment Type: ^{Coarse} sand, shell hash, some silt
Bucket No. 4

850204.5 RH 1968
 Time In: 11:02 Time Out: 11:08
 Depth In: 53 ft Depth Out: 47 ft
 Loran C in: 43285.1 62004.8
 Loran C out: 43286.9 62005.2
 Sediment type: coarse sand, shell hash
 Bucket No. 5

Time in: 11:14 Time out: 11:22
 Loran C in: 43285.5 62005.0
 Depth in: 47 ft Depth out: 55 ft
 Loran C out: 43283.8 62005.0
 Sediment type: coarse sand, shell hash

850204.6 RH 1969
 Time in: 11:36 Time out: 11:43
 Depth in: 55 ft Depth out: 55 ft
 Loran C in: 43282.7 61997.1
 Loran C out: 43281.2 61997.8
 Sediment type: coarse sand, shell hash
 Bucket No. 6

850423.1

RH 1991

Time In: 0916 Time Out: 0926
 Depth In: 52 ft Depth Out: 52 ft
 Loran C in: 43302.8 Loran C out: 43303.4
 62005.0 62004.1

Sediment type: coarse sand
 Bucket No. 1

mostly Echinoderes, few Sennoderes, many Batillipes, at least 1 Parastygardes

850423.2

RH 1992

Time In: 0943 Time Out: 0953
 Depth In: 62 ft Depth Out: 62 ft
 Loran C in: 43300.6 61996.7
 Loran C out: 43301.1 61995.4

Sediment type: shell gravel w/ amphioxus
 Bucket No. 2 & 3

850423.3

RH 1993

Time In: 1013 Time Out: 1023
 Depth In: 61 ft Depth Out: 60 ft
 Loran C in: 43295.8 61992.0
 Loran C out: 43295.5 61991.5
 Sediment type: medium sand
 Bucket No. 4 & 5

850423.4

RH 1994

Time In: 1045 Time Out: 1052
 Depth In: 72 ft Depth Out: 75 ft
 Loran C in: 43290.0 61977.0
 Loran C out: 43291.4 61976.2
 Bucket No. 6-7

notes: some Echinoderes, Sennoderes, at least 1 Cetero mostly gastropods, and long-tailed tipers,

A Look into Japan Japan Travel Bureau

JTB

SUPPLIES / EQUIPMENT

- ✓ 20 ml } bottle labels
- ✓ 60 ml }
- X 1 dr screw cap vials
- X label paper
- ✓ cap labels
- ✓ watch dishes
- sub amples
- ✓ wash bottles
- ✓ brown loops (8)
- ✓ tape
- ✓ felt tip pens
- whisk pads (ask Woody what size)
- X funnels
- square petri dishes
- X 25 ml petri dishes flat
- ~~flat depression slide~~
- X slide ruler
- X film 135
- X film 4x5
- X rose bengal
- ~~gravity cover~~
- X scalars
- X forceps
- cardboard booties for 1 dr vials
- X dissect needle
- X scalpel + #11 blades
- X drop pipettes + bulbs

850624.1 (12 miles)

RH 2016

Time in 0954 Time out 1001
 Depth in 72 ft Depth out 72
 Lat in $27^{\circ}30'.08$ Lat out $27^{\circ}30'.23'$
 Long in $80^{\circ}04'.89$ Long out $80^{\circ}04'.74'$
 Sed type med-coarse sand w/ Amphipods but
 less silt than at 10(-) sites

Buckets #1 & 2 each ~ half full

at least 1 Pycnophyes; Semmelius Echinoderus, Tardigrades, rotifers, gast.
 lots of pieces of redalgae Ceramium sp. Polysiphonia sp.

850624.2 (10 miles)
 1021

RH 2017

Time in: 2730.00 Time out? 1030
 Depth in: 60' Depth out: 60'
 Lat in $27^{\circ}30'.00'$ Lat out $27^{\circ}29'.93'$
 Long in $80^{\circ}07'.06'$ Long out $80^{\circ}07'.17'$
 Sed type med-coarse sand - some silt

Buckets #3 - half full

850624.3 (5 miles)

RH 2018

Time in 1104 Time out 1235
 Depth in 52' Depth out 52
 Lat in $27^{\circ}29'.95'$ Lat out $27^{\circ}29'.58'$
 Long in $80^{\circ}12'.08'$ Long out $80^{\circ}12'.20'$
 Sed type still hash

Buckets 5-6 + 2 covers A+B
 more divers & nos of rotifers than previously

850629.1

RH 2019

Coll: Cynthia Gradek + Karen Bartlett
 Loc: Off Pepper State Park Beach
 Depth: 5 m
 Sed: sand + Halimeda
 1 Echinoderus

870722.20

20 MILE SITE
140 M (410 ft)

43243.0
14408.7 / 61916.6
27°30.0N 79°55.8W

870722.15

15 MILE SITE
219 M (145 ft)

43265.0
14404.0 / 61950.0
27°30.0N 80°01.4W

43265.2 / 61950.0 42M

870722.10

10 MILE SITE
21 M (63 ft)

43286.0
14399.1 / 61982.5
27°30.0N 80°07.0'W

43286.2 / 61982.9 19M

870722.5

5 MILE SITE
17 M (50 ft)

43312.0
14394.2 / 62014.0
27°30.0N 80°12.7'W

43311.9 / 62014.1 14M

870811.1 Lake Worth Inlet, (Palm Beach) Florida north side
of Peanut Island ~ 3-5 m. silty sand. Higgins pocket dredge
26°47'N 80°02'W

Echinoderm sp. 1

RH 2139

Acc # 348815

Acc. 348815

870811.2

RH 2140

south side

of Peanut Island ~ 4-6 m. coarse sand w/ some mud
HPD 26°47'N 80°02'W

Knorhynchus sp. and *Echinoderm* sp. 2

